

Title (en)

Line interruption supervisory device for fire alarm systems.

Title (de)

Anordnung zur Überwachung einer Leitungsunterbrechung bei Feueralarmanlagen.

Title (fr)

Dispositif de surveillance à l'égard d'interruption de la ligne de systèmes d'alarme d'incendie.

Publication

**EP 0405247 B1 19950412 (EN)**

Application

**EP 90111298 A 19900615**

Priority

JP 16816489 A 19890629

Abstract (en)

[origin: EP0405247A1] A fire alarm system is equipped with a terminating capacitor (CE) connected across the terminal (EL) of a pair of lines (L) to which fire detectors (DE) are connected and with cut-off means (Tr1, Tr2) for cutting off the power supply to the lines in the case of a line interruption test. Furtheron, a discharge means (Tr3) causes the terminating capacitor (CE) to discharge when the power supply to the lines (L) is interrupted, and a discrimination means (MPU) compares the voltage available on the lines before interrupting the power supply with the line voltage after a predetermined time and judges, by the difference of these two voltages, whether there is an open in the lines, or not. Thereby, false operation of the line interruption supervision is prevented, due to a fluctuation of the power supply voltage, and a line interruption is detected reliably, even in fire alarm system having very long lines and a great number of fire detectors connected thereto, by which the discharge voltage is decreased.

IPC 1-7

**G08B 29/06**

IPC 8 full level

**G08B 17/00** (2006.01); **G08B 29/06** (2006.01)

CPC (source: EP US)

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Cited by

EP2169645A1; EP2916303A1; AT501215A1; AT501215B1; ES2384146A1; EP2804163A1; US8878552B2; US11210930B2; US10089859B2; WO2019224264A1; WO2014184107A1; WO2013089932A1; WO2011096951A1

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**EP 0405247 A1 19910102**; **EP 0405247 B1 19950412**; DE 69018524 D1 19950518; DE 69018524 T2 19951005; JP 2721916 B2 19980304; JP H0333998 A 19910214; US 5086293 A 19920204

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